

Appl. No. 10/644,352  
Amdt. Dated July 21, 2004  
Reply to Office Action of April 21, 2004

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

Claim 1 (currently amended): An electrical connector adapted for electrically receiving a daughter PCB, comprising:

an insulative housing comprising a receiving slot for insertion of the daughter PCB and a tower, said receiving slot dividing the tower into a pair of opposite base portions;

a signal terminal being retained in the insulative housing and adapted for electrically connecting with the daughter PCB; and

a power contact being retained in the tower and adapted for electrically connecting with the daughter PCB, said power contact comprising a pair of retaining plates respectively retained in the base portions and a connecting arm connecting the retaining plates for supporting the daughter PCB.

Claim 2 (currently amended): The electrical connector as described in claim 1, wherein the power contact comprises ~~a retaining plate~~ a pair of soldering tails respectively offsetting from a bottom end of the retaining plates and a pair of mating arm extending from a lower end of the retaining plates for contacting with the daughter PCB on two different parallel surfaces.

Claim 3 (currently amended): The electrical connector as described in claim 1,

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~~wherein the power contact comprises a pair of retaining plates for engaging with the insulative housing~~ the housing further comprises a base and the tower extends beyond a top surface of the base.

Claim 4 (cancelled)

Claim 5 (original): A power contact retained in an electrical connector and adapted for electrically connecting a daughter PCB and a mother PCB, comprising:

a retaining plate adapted for being engageably received in the electrical connector;

a soldering tail extending downwardly from the retaining plate adapted for soldering onto the mother PCB;

a mating arm extending inwardly from the retaining plate adapted for electrically connecting with the daughter PCB; and

a connecting arm extending from the retaining plate and being adapted for engageably received in the daughter PCB.

Claim 6 (original): The power contact as described in claim 5, wherein the mating arm and the retaining plate are locate on two different parallel surfaces.

Claim 7 (original): The power contact as described in claim 5, wherein the mating arm extends from a bottom end of the retaining plate.

Claim 8 (original): The power contact as described in claim 5, wherein the mating arm extends from a bottom end of the retaining plate.

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Claim 9 (original): The power contact as described in claim 5, wherein the mating arm extends from an inner side of the retaining plate.

Claim 10 (currently amended): An electrical connector assembly comprising:  
an insulative housing defining an elongated central slot extending along a longitudinal direction thereof;

two rows of signal contacts located by two sides of the central slot;

a tower located around one end of said housing, said central slot extending into the tower; and

a plurality of power contacts located in the tower along said longitudinal direction, each of said power contacts including a shielding plate with a pair of mating arms located by said two sides of the central slot; and

a daughter board received in the central slot to engage the signal contacts and mating arms of the power contacts; wherein

in each of said power contacts, the shielding plate defines a first plane and said pair of mating arms defines a second plane offset from said first plane along said longitudinal direction.

Claim 11 (original): The assembly as described in claim 10, wherein each of said power contacts defines a portion crossing the central slot.

Claim 12 (cancelled)

Claim 13 (currently amended): The assembly as described in claim ~~[[12]]~~ 10, wherein said daughter board defines a notch receiving said portion therein.

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Claim 14 (original): The assembly as described in claim 13, wherein the mating arms of the power contacts and the signal contacts are essentially located at a same level which is lower than another level the shielding plates of the power contacts are located at.